

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-352678

(43)Date of publication of application : 19.12.2000

(51)Int.Cl.

G02B 26/10

G02B 5/32

G03B 21/10

G03B 21/14

G03B 21/60

G09F 9/00

G09G 3/02

G09G 3/20

G09G 3/32

G09G 3/36

(21)Application number : 11-165877

(71)Applicant : SHARP CORP

(22)Date of filing : 11.06.1999

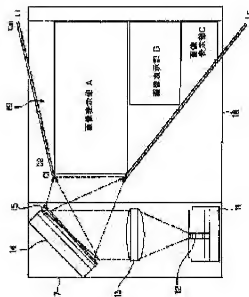
(72)Inventor : SATO SHUNICHI

## (54) PROJECTION TYPE PICTURE DISPLAY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To correct the trapezoidal modulation of a picture projected onto a screen which is installed obliquely to an optical axis, and to display a bright, vivid and definite picture.

SOLUTION: The screen 18 is attached at a specified angle to the optical axis regulated by optical parts such as a light emitting element group 12, a lens 13 and an oscillating mirror 15. This specified angle is an incident angle that light from the element group 12 is made incident on the screen 18 and differs according to positions in the picture display feasible area 19 of the screen 18, and it is about 45° to 85°. The element group 12 forms the specified angle with the optical axis. This specified angle is set according to a condition (shine-proof condition) related to an inclined object surface and an formed image on an image surface.



## LEGAL STATUS

[Date of request for examination]

01.02.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office